

# System Method and Apparatus for a Three-Line Balun with Power Amplifier Bias

## ABSTRACT OF THE DISCLOSURE

5        A balun that includes a first conductor, a second conductor and a third  
conductor. The first conductor has a length of about one quarter wavelength of a  
selected center frequency. The first conductor also has a first end connected to a first  
balanced power amplifier output port. The second conductor has a length of about one  
quarter wavelength of the selected center frequency. The second conductor also  
10 includes a first end connected to a second balanced power amplifier output port and a  
second end connected a second end of the first conductor. The third conductor has a  
length of about one quarter wavelength of the selected center frequency. The third  
conductor has a first end connected to an antenna port and a second end connected to a  
ground potential.

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